



**DRAFT AGENDA**  
**28-30 September 2004**  
**Holiday Inn Kings Cross/Bloomsbury, London, England**

The Marine Mammal Commission and Joint Nature Conservation Committee are sponsoring an international policy dialogue related to the effects of human-generated sound on marine mammals. The workshop results will be used to inform the deliberations of the Commission's Advisory Committee on Acoustic Impacts on Marine Mammals, and ultimately, policy-makers in the United States Congress and around the world.

**Goals:**

- Describe the range of international efforts in management and mitigation related to marine mammals and sound, considering the extent to which established legal and regulatory frameworks address acoustic impacts on marine mammals on a global scale
- Explore and describe cross-boundary/multilateral issues regarding the management and mitigation of acoustic impacts on marine mammals
- Identify innovative management strategies and solutions to policy questions that might be transferable to national and international frameworks

**Expected Products:**

- Set of background documents
- Collection of abstracts and posters related to international policy for sound and marine mammals
- Workshop report that informs the Marine Mammal Commission's Advisory Committee on Acoustic Impacts on Marine Mammals and can be incorporated into a report to U.S. Congress.

**Day 1: Tuesday, 28 September 2004**

- 0900-0930**      **Welcome and Introduction** – David Cottingham, U.S. Marine Mammal Commission
- 0930-1030**      **Topic 1: Overview of Human-Made Sound Sources and Impacts on Marine Mammals** (Session Chair: Mark Tasker)
- 0930-1000**      **Overview of Human-Made Sound Sources in the Marine Environment** –  
(with Q&A) John Hildebrand, Scripps Institution of Oceanography and U.S. Marine Mammal Commission Committee of Scientific Advisors

- 1000-1030 **Overview of Potential Impacts of Human-Made Sound on Marine Mammals** – Peter Tyack, Woods Hole Oceanographic Institution, U.S.  
(with Q&A)
- 1030-1100 **Break**
- 1100-1420 **Topic 2: Introduction to National and International Legal and Regulatory Frameworks for Marine Mammals and Human-Made Sound**  
(with lunch)  
(Session Chairs: Lee Langstaff and Suzanne Orenstein)
- Theme:* What is the range of national and international laws and regulatory mechanisms governing acoustic impacts on marine mammals?
- 1100-1200 **Case Study Presentations** (20 minutes each, including Q&A)
- **European Seas** – Mark Tasker, U.K. Joint Nature Conservation Committee
  - **North Atlantic Treaty Organization (NATO)** – Mike Carron, NATO Undersea Research Centre, Italy
  - **Scientific Committee on Antarctic Research (SCAR)** – David Walton, British Antarctic Survey, U.K.
- 1200-1300 **Lunch**
- 1300-1420 **Continue Case Study Presentations** (20 minutes each, including Q&A)
- **United States** – Doug Wartzok, Florida International University and U.S. Marine Mammal Commission Committee of Scientific Advisors
  - **Latin America** – Monica Borobia, Independent Environmental Consultant, Brazil
  - **Asia/Pacific Rim** – John Wang, FormosaCetus Research and Conservation Group and National Museum of Marine Biology and Aquarium, Taiwan
  - **Africa** – Howard Rosenbaum, Wildlife Conservation Society, U.S., and Ken Findlay, University of Cape Town, South Africa
- 1420-1615 **Topic 3: Examining International Legal Frameworks** (Session Chair: Mark Tasker)
- Theme:* How can the issue of acoustic impacts on marine mammals best be pursued internationally? What are the key components of an effective international framework? Has sound or acoustic impacts on marine mammals been effectively addressed by international law or institutions? Are there short or long-term actions that could be taken in international fora to address this issue?
- 1420-1440 **Providing an Analytical Framework for International Regulatory Mechanisms and Fora** – Lindy Johnson, U.S. National Oceanographic and Atmospheric Administration, Office of International Environmental Law  
(with Q&A)
- 1440-1500 **Break**

**1500-1615 Panel Discussion – Components of an Effective International Legal Framework**

Lindy Johnson, U.S. National Oceanographic and Atmospheric Administration  
Elena McCarthy, Woods Hole Oceanographic Institution, U.S.  
Daniel Owen, Fenner's Chambers, U.K.  
Karen Scott, University of Nottingham, U.K.  
Jon VanDyke, University of Hawaii, U.S.  
To be determined, U.S. Department of Defense (1)

**1615-1700 Topic 4: Innovative Management, Risk Assessment, and Mitigation Strategies** (Session Chair: David Cottingham)

1615-1635 (with Q&A) **Generic Impact Assessment Approaches** – Karl Fuller, Institute of Environmental Management and Assessment, U.K.

1635-1655 (with Q&A) **Uncertainty and Policy-Making: How Do We Deal With the Unknowns?** – John Harwood, Sea Mammal Research Unit, University of St. Andrews, U.K.

**1700 Adjourn**

**1900 Conference Dinner: Holiday Inn Kings Cross**

**Day 2: Wednesday, 29 September 2004**

**0900-1400 Continue Topic 4: Management Strategies, Risk Assessment, and Mitigation** (Session Chair: David Cottingham)

0900-0910 **Announcements and Instructions**

0910-0940 **Mitigation Techniques: Options and Effectiveness** – Jay Barlow, U.S. National Marine Fisheries Service

0940-1130 (with break) **Issues in Management, Risk Assessment, and Mitigation: Concurrent Small Group Discussions (facilitated):**

- **Group A: Evaluating effectiveness** (topic specialists\*\*: Jay Barlow and John Richardson)
- **Group B: Best practices and emerging techniques** (topic specialists: Jim Theriault and Sara Wan)
- **Group C: Policy issues in risk assessment and mitigation** (topic specialists: Paul Macnab and Elena McCarthy)
- **Group D: Prioritizing information needs** (topic specialists: Ron Kastelein and Doug Wartzok)

**1130-1330 Lunch and Poster Session**

1330-1415 **Small Group Reports:** Report back to full group with list of lessons/guidance  
(with Q&A) drawn from presentations and discussions

1415-1500 **Plenary Discussion and Synthesis**

**1500-1515 Break**

**1515-1700 Topic 5: Cross-Boundary Issues and Multilateral Approaches** (Session  
Chair: Mark Tasker)

1515-1545 **The Transboundary Challenges of Addressing Ocean Noise: Several**  
(with Q&A) **International Focusing Events** – Elena McCarthy, Woods Hole  
Oceanographic Institution, U.S.

1545-1700 **Consequences of Cross-Boundary Contexts: Concurrent Small Group  
Discussions (facilitated):**

- **Group A: Differing regulatory frameworks** (topic specialists\*\*: Olaf Boebel and Wolfgang Dinter)
- **Group B: Multilateral agreements** (topic specialists: Monica Borobia and Giuseppe Notarbartolo di Sciara)
- **Group C: Marine mammal research coordination** (topic specialists: Lorenzo Rojas-Bracho and Alexander Supin)
- **Group D: Improving regulatory capacity** (topic specialists: Michael Jasny and Mark Tasker)

**1700 Adjourn**

**1700-1900 Reception: Tower Bridge**

**Day 3: Thursday, 30 September 2004**

**0900-1200 Continue Topic 5: Cross-Boundary Issues and Multilateral Approaches**

**0900-1030 Continue Concurrent Small Group Discussions and Prepare Reports**

**1030-1100 Break**

1100-1145 **Small Group Reports:** Report back to full group with list of lessons/guidance  
(with Q&A) drawn from presentations and discussions

1145-1315 **Plenary Discussion and Synthesis**

**1315-1415 Lunch**

**1415-1600      Topic 6: Synthesis, Summary, and Future Directions** (Session Chair: Mark Tasker)

*Plenary Discussion*

1. How have we addressed the goals of the workshop?
2. What are our major findings?
3. What are the key components of the workshop products? How could we structure a useful workshop report?
4. Where do we go from here?

**1600              Adjourn**

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\*\* Small group “Topic Specialists” have the following responsibilities:

- 1) Review the questions proposed for the topic in advance;
- 2) Consider any additional questions or refining the existing ones;
- 3) Help guide discussion of small group participants as necessary; and
- 4) Report the results of your discussion back to the full assembly (may ask for other volunteers from the group).

Each small group will also be assigned a facilitator to assist with leading the discussion and a recorder to prepare session notes.